



Presentation Outline



- Update on RA activities in progress
 - IR Sites 07 and 18 Soil Cover
 - Parcels B, D-1, and G Soil Hotspot Remediation
 - Parcels D-1 and G Soil Stockpile Removal
- RA Completion Schedule
- RA Implementation Photos



RA Activities In Progress



IR Sites 07 and 18 Soil Cover

- Performed pre-cover land survey of entire 7/18 surface
- Mobilized soil offloading barge and began cover soil import at a rate of 3,600 tons per day
- Began transport of soil from barge offloading area using local trucking service (5 trucks looping for 8 hours per day)
- Began placing and compacting first soil lift
- Halted soil cover construction due to heavy rains in December (degraded roads, ponded water across base, inability to meet moisture content specifications for compaction)
- Will resume construction in mid-April at the start of the dry season



RA Activities In Progress (cont.)



Parcels B, D-1, and G Soil Hotspot Remediation

- Completed pre-excavation characterization sampling to delineate 9 of 11 hot spots; 2 hot spots not accessible in Parcel D-1
- All 9 hot spots excavated based on pre-excavation sampling results
- Sidewall and bottom confirmation sampling performed
- 2 of 9 hot spots required step-out excavation in one direction (B4716 and B3426)
- Additional confirmation samples collected at these 2 locations to verify complete removal of hotspot material
- Excavation B3426 required at least one additional step-out excavation – removal is ongoing
- All hot spots except B3426 were backfilled



Soil Hot Spot Location Map



Parcel B Parcel D-1

Building

Other Parcel Boundary

Non-Navy Property

0.37

0.33 0.34

0.34

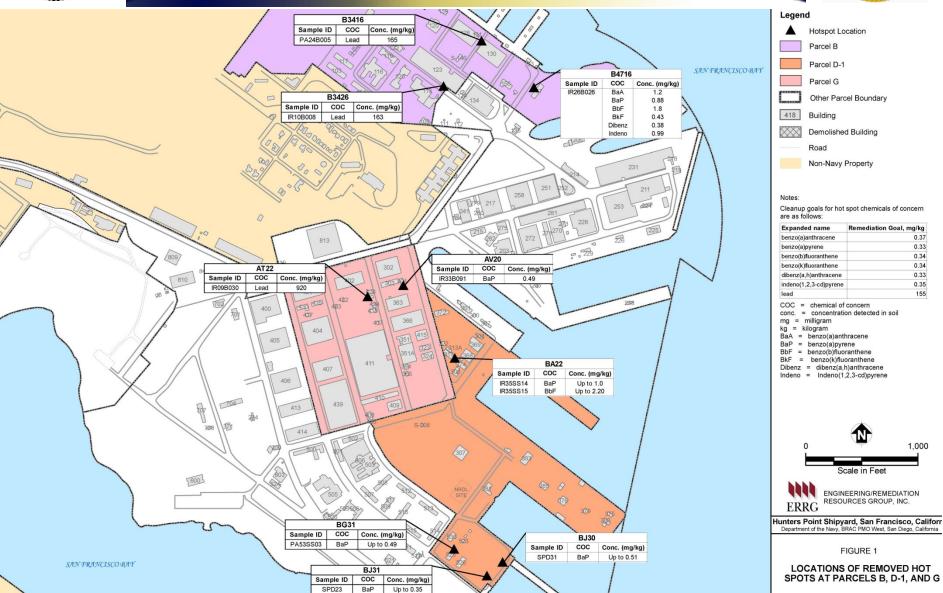
0.33

0.35

1.000

ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

FIGURE 1





Propose Path Forward for Hotspot B3426

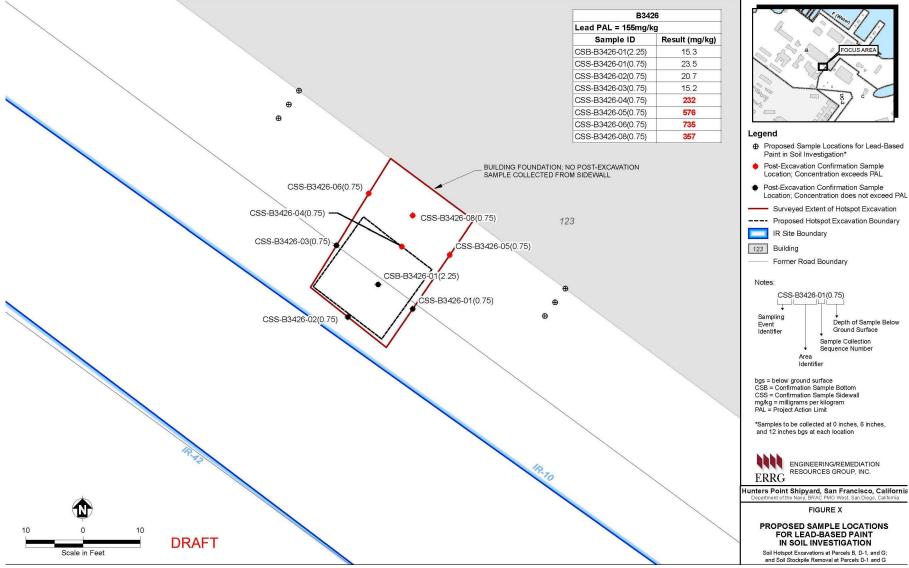


- Lead concentrations in soil decrease with distance from the hotspot sample location, then increase in the direction of Bldg 123
- It is presumed that increasing lead concentrations in shallow soil near Bldg 123 are due to lead-based paint (LBP) contamination; not a CERCLA release
- The Navy proposes to perform a limited investigation to determine if lead in soil near Bldg 123 is related to LBP in soil
- Samples at various depths and distances from the building will be collected and analyzed for lead (away from the hotspot location)
- A sample of the paint on the building will be analyzed for lead
- If contamination is due to LBP, the Navy proposes to consider B3426 delineated and to backfill the excavation
- If contamination is not due to LBP, the Navy will proceed with step out excavation and confirmation sampling in accordance with the work plan



Proposed LBP Sampling Plan







RA Activities In Progress (cont.)



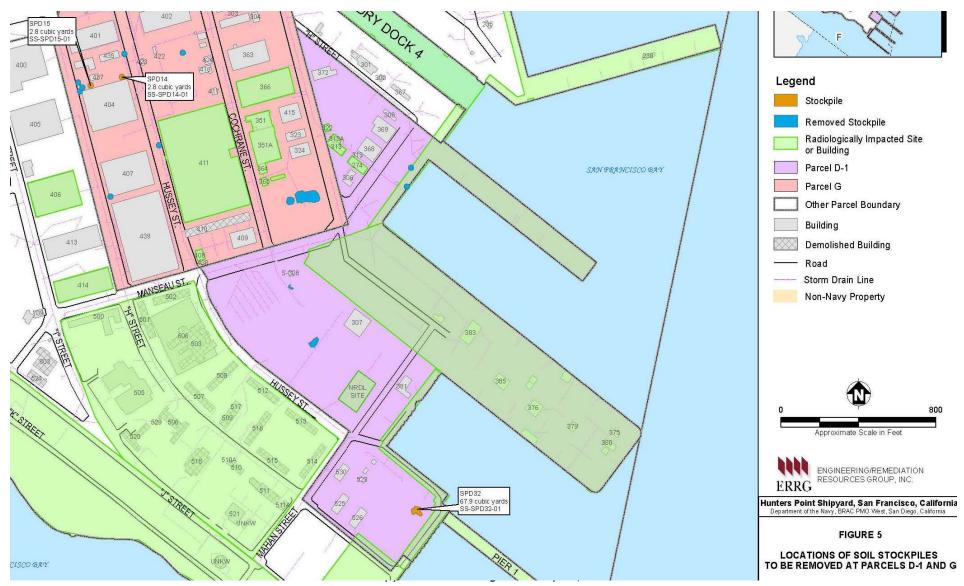
Parcels D-1 and G Soil Stockpile Removal

- 15 of 18 stockpiles were removed prior to the start of this RA, leaving 3 requiring removal, characterization, and disposal
- 3 remaining stockpiles were relocated to on-site stockpile area in Parcel B; staged for off-site removal and disposal
- All stockpiles (and soil excavated from soil hotspots and from the shoreline of 7/18) were sampled for disposal profiling
- Soil load-out and disposal is being performed by the basewide non-radiological disposal contractor
- Soil will be disposed of as:
 - Class II non-hazardous waste (~6,000 tons)
 - CA hazardous waste due to soluble lead (~4,000 tons)



Soil Stockpile Location Map







RA Completion Schedule



IR Sites 07 and 18 RA

Import and Place Soil Cover Material:
Apr 14 – May 27

Seeding and Fence Installation:
May 30 – June 20

Demobilization:
Jun 21 – Jun 27

• CDPH Post-Cover Scan of Sites 07 & 18: > Jul 1 (TBD)

• Draft RACR and RA Fact Sheet: Sept 13

• Final RACR and RA Fact Sheet: Nov 16



RA Completion Schedule (cont.)



Parcels B, D-1, and G Hot Spots and Stockpiles

Complete excavation at B3426: Feb 10

Soil stockpile transportation and disposal:
Feb (TBD)

• Draft RACR and RA Fact Sheet: Mar 29

Final RACR and RA Fact Sheet:
Jun 1



Hotspot Locations Delineated by Surveyor







Drill Rig Used to Collect Pre-Excavation Samples at Hotspot Location





Hunters Point Shipyard BCT Meeting – January 27, 2011



Excavation of Delineated Hot Spot







Air Monitoring Station Set Up at Hotspot Location







Confirmation Sampling at Hotspot Location





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Secured Hotspot Excavation – Awaiting Confirmation Results







Backfilling Hotspot Excavation





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Hotspot Backfill Compaction Using a Vibratory Plate Compactor







Nuclear Density Gauge Used to Verify Backfill Compaction Density







Backfilled Hotspot Excavation





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